

AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the present application.

1. (currently amended) A rotary cutting head for cutting rock by crushing, comprising:

a support;

a cone cutter rotatably mounted by bearings on the support;

rows of welded-on crushing elements ~~adhered~~ welded to a base body of the cone cutter by with an electric current to form a metallurgical bond, each crushing element comprising a body having a working portion, an opposing mounting portion, and an intermediate portion from which the working and mounting portions extend, each crushing element having a greatest width D at the intermediate portion, and a greatest height H extending from a tip of the working portion to a transition between the intermediate portion and the mounting portion, wherein $H/D < 1.2$.

2. (original) The cutting head according to claim 1 wherein the cutting head comprises a drill bit having a plurality of the supports, the supports comprising legs.

Claims 3-6 (canceled)

7. (currently amended) A rotary cone cutter adapted to be rotatably mounted on a rotary cutting head for cutting rock by rotary crushing, the cone cutter comprising a base body, and rows of welded-on crushing elements ~~adhered~~ welded to the base body by with an electric current to form metallurgical bonds, each crushing element comprising a body having a working portion, an opposing mounting

portion, and an intermediate portion from which the working mounting portions extend, each crushing element having a greatest width D at the intermediate portion, and a greatest height H extending from a tip of the working portion to a transition between the intermediate portion and the mounting portion, wherein $H/D < 1.2$.

Claims 8-10 (previously canceled)

11. (previously presented) The rotary cutting head according to claim 1, wherein the working portion is convexly curved.

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Claim 12 (canceled)

13. (previously presented) The rotary cone according to claim 7 wherein the working portion is convexly curved.

14. (new) The rotary cutting head according to claim 1 wherein the rows of crushing elements further comprise rows of welded-on crushing elements welded to a base body of the cone by electric arc welding.

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15. (new) The rotary cone cutter according to claim 1 wherein the rows of crushing elements further comprise rows of welded-on crushing elements welded to a base body of the cone by electric arc welding.
